EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	12	US-4351388-$.DID. OR US-3834457-$.DID. OR US-5201196-$.DID. OR US-3786861-$.DID. OR US-6209625-$.DID. OR US-20010011091-$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/09 10:32
L5	3613	(165/104.11-104.12 or 165/104.17 or 165/104.23 or 165/104.21 or 165/104.26-104.28 or 165/135 or 29/890.032 or 29/890.041-890.042 or 29/890.051 or 29/890.07 or 62/489 or 219/538 or 392/407).ccls. and (heat$3 near10 (pipe$1 or tube$1 or cylinder$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 10:45
L6	114	5 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous$3 near8 cotton) or ((non near8 woven) near8 fabric$1) or cotton or rope))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 10:46
L7	18	6 and (((wire$3 or conductor$1) near15 (within or inside or internal or inner or through)) near20 (pipe$1 or tube$1 or cylinder$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 10:47
L8	12	7 and (heat$3 near10 (wire$1 or conductor$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 10:48

L9	8162	(219/552-553 or 219/541 or 219/544 or 219/444.1 or 392/480 or 392/487or 392/485).ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 11:04
L10	22262	(361/694-699 or 361/701-712 or 361/717-719 or 361/722 or 361/727 or 174/15.2 or 174/16.3 or 257/706-727 or 29/890.03).ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 11:04
L11	30414	9 or 10	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 11:05
L12	5818	11 and (heat$3 near10 (pipe$1 or tube$1 or cylinder $1))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 11:05
L13	64	12 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous$3 near8 cotton) or ((non near8 woven) near8 fabric$1) or cotton or rope))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 11:06
L14	10	13 and (((wire$3 or conductor$1) near15 (within or inside or internal or inner or through)) near20 (pipe$1 or tube$1 or cylinder $1))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 11:06
L15	8	14 and (heat$3 near10 (wire$1 or conductor$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 11:06
L16	6	15 not 7	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 11:07
S1	5	(("4351388") or ("3834457") or ("5201196") or ("3786861") or ("6209625")).PN.	USPAT	OR	OFF	2007/09/28 15:29

S2	2125	(165/104.11-104.12 or 165/104.17 or 165/104.23 or 165/104.21 or 165/104.26-104.28 or 165/135 or 29/890.032 or 29/890.041-890.042 or 29/890.051 or 29/890.07 or 62/489 or 219/538 or 392/407).ccls. and (heat$3 near10 (pipe$1 or tube$1 or cylinder$1))	USPAT	OR	OFF	2007/10/26 11:14
S3	91	S2 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous$3 near8 cotton) or ((non near8 woven) near8 fabric$1) or cotton or rope))	USPAT	OR	OFF	2007/10/26 10:52
S4	13	S3 and (((wire$3 or conductor$1) near15 (within or inside or internal or inner or through)) near20 (pipe$1 or tube$1 or cylinder $1))	USPAT	OR	OFF	2007/10/26 11:15
S5	5122	(219/552-553 or 219/541 or 219/544 or 219/444.1 or 392/480 or 392/487or 392/485). ccls.	USPAT	OR	OFF	2007/10/22 16:06
S6	1151	S5 and (heat$3 near10 (pipe$1 or tube$1 or cylinder $1))	USPAT	OR	OFF	2007/09/28 16:13
S7	22	S6 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous$3 near8 cotton) or ((non near8 woven) near8 fabric$1) or cotton or rope))	USPAT	OR	OFF	2007/09/28 16:03

S8	78	S3 not S4	USPAT	OR	OFF	2007/09/28 16:03
S9	208750	(heat$3 near10 (pipe$1 or tube$1 or cylinder$1))	US-PGPUB; USPAT	OR	OFF	2007/09/28 16:13
S10	10690	S9 and (water and (((yellow near8 earth) or charcoal or gravel or zeolite or (porous$3 near8 cotton) or ((non near8 woven) near8 fabric$1) or cotton or rope))	USPAT	OR	OFF	2007/09/28 16:14
S11	323	S10 and (((wire$3 or conductor$1) near15 (within or inside or internal or inner or through)) near20 (pipe$1 or tube$1 or cylinder $1))	USPAT	OR	OFF	2007/10/24 12:00
S12	3693	S11 ((air near10 volume) near10 ratio)	USPAT	OR	OFF	2007/09/28 16:15
S13	3	S11 and ((air near10 volume) near10 ratio)	USPAT	OR	OFF	2007/09/28 16:15
S14	4070	((heat$3 near10 (pipe$1 or tube$1 or cylinder$1)) and (phase near10 change))	USPAT	OR	OFF	2007/09/29 08:57
S15	214	S14 and (((wire$3 or conductor$1) near15 (within or inside or internal or inner or through)) near20 (pipe$1 or tube$1 or cylinder $1))	USPAT	OR	OFF	2007/09/29 08:58
S16	1004	(165/80.3 or 165/80.4).ccls. and (heat$3 near10 (pipe$1 or tube$1 or cylinder$1))	USPAT	OR	OFF	2007/10/22 16:05

S17	6	S16 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous$3 near8 cotton) or ((non near8 woven) near8 fabric$1) or cotton or rope))	USPAT	OR	OFF	2007/10/22 16:30
S18	0	S17 and (((wire$3 or conductor$1) near15 (within or inside or internal or inner or through)) near20 (pipe$1 or tube$1 or cylinder $1))	USPAT	OR	OFF	2007/10/22 16:15
S19	14821	(361/694-699 or 361/701-712 or 361/717-719 or 361/722 or 361/727 or 174/15.2 or 174/16.3 or 257/706-727 or 29/890.03). ccls.	USPAT	OR	OFF	2007/10/22 16:00
S20	2148	S19 and (heat$3 near10 (pipe$1 or tube$1 or cylinder $1))	USPAT	OR	OFF	2007/10/22 16:28
S21	14	S20 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous$3 near8 cotton) or ((non near8 woven) near8 fabric$1) or cotton or rope))	USPAT	OR	OFF	2007/10/22 16:01
S22	1	S21 and (((wire$3 or conductor$1) near15 (within or inside or internal or inner or through)) near20 (pipe$1 or tube$1 or cylinder $1))	USPAT	OR	OFF	2007/10/22 16:29

S23	4606	(165/104.11-104.12 or 165/104.17 or 165/104.23 or 165/104.21 or 165/104.26-104.28 or 165/135 or 29/890.032 or 29/890.041-890.042 or 29/890.051 or 29/890.07 or 62/489 or 219/538 or 392/407).ccls.	USPAT	OR	OFF	2007/10/22 16:20
S24	3731	(165/80.3 or 165/80.4).ccls.	USPAT	OR	OFF	2007/10/22 16:05
S25	4606	(165/104.11-104.12 or 165/104.17 or 165/104.23 or 165/104.21 or 165/104.26-104.28 or 165/135 or 29/890.032 or 29/890.041-890.042 or 29/890.051 or 29/890.07 or 62/489 or 219/538 or 392/407).ccls.	USPAT	OR	OFF	2007/10/22 16:06
S26	5132	(219/552-553 or 219/541 or 219/544 or 219/444.1 or 392/480 or 392/487or 392/485).ccls.	USPAT	OR	OFF	2007/10/22 16:06
S27	0	(S19 and S23 and S24 and S25 and S26)	USPAT	OR	OFF	2007/10/22 16:08
S28	469	(S19 and S23)	USPAT	OR	OFF	2007/10/22 16:08
S29	18958	(S19 S23)	USPAT	OR	OFF	2007/10/22 16:11
S30	24555	(S19 or S23 or S24 or S25 or S26)	USPAT	OR	OFF	2007/10/24 11:51

S31	24721	(165/104.11-104.12 or 165/104.17 or 165/104.23 or 165/104.21 or 165/104.26-104.28 or 165/135 or 29/890.032 or 29/890.041-890.042 or 29/890.051 or 29/890.07 or 62/489 or 219/538 or 392/407 or 165/80.3 or 165/80.4 or 361/694-699 or 361/701-712 or 361/717-719 or 361/722 or 361/727 or 174/15.2 or 174/16.3 or 257/706-727 or 29/890.03 or 219/552-553 or 219/541 or 219/544 or 219/444.1 or 392/480 or 392/487 or 392/485).ccls.	USPAT	OR	OFF	2007/10/22 16:28
S32	5170	S31 and (heat$3 near10 (pipe$1 or tube$1 or cylinder $1))	USPAT	OR	OFF	2007/10/22 16:28
S33	491	S32 and (((wire$3 or conductor$1) near15 (within or inside or internal or inner or through)) near20 (pipe$1 or tube$1 or cylinder $1))	USPAT	OR	OFF	2007/10/22 16:29
S34	17	S33 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous$3 near8 cotton) or ((non near8 woven) near8 fabric$1) or cotton or rope))	USPAT	OR	OFF	2007/10/22 16:31

S35	14855	(361/694-699 or 361/701-712 or 361/717-719 or 361/722 or 361/727 or 174/15.2 or 174/16.3 or 257/706-727 or 29/890.03).ccls.	USPAT	OR	OFF	2007/10/24 11:51
S36	4607	(165/104.11-104.12 or 165/104.17 or 165/104.23 or 165/104.21 or 165/104.26-104.28 or 165/135 or 29/890.032 or 29/890.041-890.042 or 29/890.051 or 29/890.07 or 62/489 or 219/538 or 392/407).ccls.	USPAT	OR	OFF	2007/10/24 11:51
S37	3743	(165/80.3 or 165/80.4).ccls.	USPAT	OR	OFF	2007/10/24 11:51
S38	4607	(165/104.11-104.12 or 165/104.17 or 165/104.23 or 165/104.21 or 165/104.26-104.28 or 165/135 or 29/890.032 or 29/890.041-890.042 or 29/890.051 or 29/890.07 or 62/489 or 219/538 or 392/407).ccls.	USPAT	OR	OFF	2007/10/24 11:51
S39	5133	(219/552-553 or 219/541 or 219/544 or 219/444.1 or 392/480 or 392/487or 392/485).ccls.	USPAT	OR	OFF	2007/10/24 11:51
S40	24591	(S35 or S36 or S37 or S38 or S39)	USPAT	OR	OFF	2007/10/24 11:51

S41	9	S40 and ((((yellow near8 earth) or charcoal or gravel or zeolite or (porous$3 near8 cotton) or ((non near8 woven) near8 fabric$1) or cotton or rope) near20 (within or inside or internal or inner)) near20 (heat $3 near15 (pipe$1 or tube$1 or cylinder $1)))	USPAT	OR	OFF	2007/10/24 12:21
S42	6	S41 and (((wire$3 or conductor$1) near15 (within or inside or internal or inner or through)) near20 (pipe$1 or tube$1 or cylinder $1))	USPAT	OR	OFF	2007/10/24 12:28
S43	0	S42 and ((((salt near10 water) or water ((acetic near8 acid) near8 water)) near20 (within or inside or internal or inner)) near20 (heat $3 near15 (pipe$1 or tube$1 or cylinder $1)))	USPAT	OR	OFF	2007/10/24 12:29
S44	4	S40 and ((((yellow near8 earth) or charcoal or gravel or zeolite or (porous$3 near8 cotton) or ((non near8 woven) near8 fabric$1) or cotton) near20 (within or inside or internal or inner)) near20 (heat$3 near15 (pipe$1 or tube$1 or cylinder $1)))	USPAT	OR	OFF	2007/10/24 12:11
S45	157539	(heat$3 near10 (pipe $1 or tube$1 or cylinder$1))	USPAT	OR	OFF	2007/10/24 13:30

S46	87	S45 and ((((yellow near8 earth) or charcoal or gravel or zeolite or (porous$3 near8 cotton) or ((non near8 woven) near8 fabric$1) or cotton or rope) near20 (within or inside or internal or inner)) near20 (heat $3 near15 (pipe$1 or tube$1 or cylinder $1)))	USPAT	OR	OFF	2007/10/24 12:21
S47	19	S46 and (((wire$3 or conductor$1) near15 (within or inside or internal or inner or through)) near20 (pipe$1 or tube$1 or cylinder $1))	USPAT	OR	OFF	2007/10/24 12:28
S48	0	S47 and ((((salt near10 water) or water ((acetic near8 acid) near8 water)) near20 (within or inside or internal or inner)) near20 (heat $3 near15 (pipe$1 or tube$1 or cylinder $1)))	USPAT	OR	OFF	2007/10/24 12:29
S49	13	S47 not S42	USPAT	OR	OFF	2007/10/24 12:29
S50	13	S49 not S44	USPAT	OR	OFF	2007/10/24 12:30
S51	0	S45 and (((porous near20 inflammable) near15 medium) and (volatile near10 (fluid$1 or medium)))	USPAT	OR	OFF	2007/10/24 12:50
S52	0	S45 and (((particle near10 size) near10 mm) and ((air near10 volumn) near10 ratio$1))	USPAT	OR	OFF	2007/10/24 12:52

S53	1429	S45 and (((particle near10 size) near10 mm) or ((air near10 volumn) near10 ratio $1))	USPAT	OR	OFF	2007/10/24 12:53
S54	1429	S53 and ((particle near10 size) near10 mm)	USPAT	OR	OFF	2007/10/24 12:52
S55	2073	S45 and (((particle near10 size) near10 mm) or ((air near10 volume) near10 ratio $1))	USPAT	OR	OFF	2007/10/24 12:54
S56	10	S45 and (((particle near10 size) near10 mm) and ((air near10 volume) near10 ratio$1))	USPAT	OR	OFF	2007/10/24 12:59
S57	3	S56 and (heat$3 near10 pipe$1)	USPAT	OR	OFF	2007/10/24 13:00
S58	20	S45 and ((electric$4 near10 (mat or pad or sheet)) and (adiabatic))	USPAT	OR	OFF	2007/10/24 16:44
S59	157539	(heat$3 near10 (pipe $1 or tube$1 or cylinder$1))	USPAT	OR	OFF	2007/10/24 16:45
S60	195	S59 and (((electric $4 or heat$3) near15 (mat or pad or sheet)) and (adiabatic))	USPAT	OR	OFF	2007/10/24 16:45
S61	11	S60 and ((adiabatic near10 (sheet or pad or mat or plate)) and (heat$3 near8 pipe$1))	USPAT	OR	OFF	2007/10/24 16:54
S62	171	S59 and ((electric near10 radiator) and (fin$1 or plate$1))	USPAT	OR	OFF	2007/10/24 16:55
S63	70	S62 and (heat$3 near10 pipe$1)	USPAT	OR	OFF	2007/10/24 16:55
S64	526	(219/548).ccls.	USPAT	OR	OFF	2007/10/26 10:51
S65	49	S64 and (heat$3 near15 pipe$1)	USPAT	OR	OFF	2007/10/25 15:58
S66	526	(219/548).ccls.	USPAT	OR	OFF	2007/10/26 10:51

S67	14	S66 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous$3 near8 cotton) or ((non near8 woven) near8 fabric$1) or cotton or rope))	USPAT	OR	OFF	2007/10/26 11:14
S68	3665	(219/534 or 219/540 or 219/544 or 219/552-553). ccls.	USPAT	OR	OFF	2007/10/26 11:14
S69	784	S68 and (heat$3 near10 (pipe$1 or tube$1 or cylinder $1))	USPAT	OR	OFF	2007/10/26 11:14
S70	17	S69 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous$3 near8 cotton) or ((non near8 woven) near8 fabric$1) or cotton or rope))	USPAT	OR	OFF	2007/10/26 11:23
S71	5	S70 and (((wire$3 or conductor$1) near15 (within or inside or internal or inner or through)) near20 (pipe$1 or tube$1 or cylinder $1))	USPAT	OR	OFF	2007/10/26 11:24
S72	29	S69 and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous$3 near8 cotton) or ((non near8 woven) near8 fabric$1) or cotton or rope)	USPAT	OR	OFF	2007/10/26 11:23
S73	7	S72 and (((wire$3 or conductor$1) near15 (within or inside or internal or inner or through)) near20 (pipe$1 or tube$1 or cylinder $1))	USPAT	OR	OFF	2007/10/26 11:24

S74	5	(("5682576") or ("6088549") or ("6411785") or ("6701102") or ("6985689")).PN.	USPAT	OR	OFF	2007/10/27 11:51
S75	0	jp-11194655-$.did.	USPAT	OR	OFF	2007/10/27 11:52
S76	2	jp-11194655-$.did.	USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/27 11:52
S77	2	jp-09190112-$.did.	USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/27 11:52
S78	2	jp-10133505-$.did.	USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/27 11:54
S79	506	(izawa)".inv"	US-PGPUB	OR	OFF	2007/10/27 11:54
S80	506	(izawa)".inv."	US-PGPUB	OR	OFF	2007/10/27 11:55
S81	64	S80 and fixing	US-PGPUB	OR	OFF	2007/10/27 11:55

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